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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/944,099	09/04/2001	Suk Won Choi	054358-5005	1756	
9629	7590 12/20/2002				
MORGAN LEWIS & BOCKIUS LLP			EXAMINER		
	YLVANIA AVENUE NV ON, DC 20004	V	DUONG, TAI V		
			ART UNIT	PAPER NUMBER	
			2871		
			DATE MAILED: 12/20/2002	DATE MAILED: 12/20/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Examiner	-d ₃	Application No.	Applicant(s)			
TAI DUONG - The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANCONED (35 U.S.C. § 133). - Any reply received by the Gines after than the months after the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANCONED (35 U.S.C. § 133). - Any reply received by the Gines after than the mailing date of this communication, even if timely flied, may reduce any seminary to the mailing date of this communication, even if timely flied, may reduce any seminary to the seminary to the seminary flied of the communication, even if timely flied, may reduce any seminary reduce any seminary flied on 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a)		09/944,099	CHOI ET AL.			
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Priority under 35 U.S.C. §§ 119 and 120	12)☐ The oath or declaration is objected to by the Examiner.					
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)☐ Some * c)☐ None of:	a)⊠ All b)□ Some * c)□ None of:					
1.☑ Certified copies of the priority documents have been received.	 Certified copies of the priority documents 	have been received.				
2. Certified copies of the priority documents have been received in Application No	2. Certified copies of the priority documents	have been received in Applicat	ion No			
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) The translation of the foreign language provisional application has been received.						
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) Notice of Informal				

Application/Control Number: 09/944,099

Art Unit: 2871

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-4 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

The specification does not disclose how to make a storage capacitor having nF/cm as unit for capacitance. As evidenced by the cited prior art of record, the capacitance has F , uF, nF or pF as unit, not nF/cm. Since the unit nF/cm is not common, the specification does not describe how this unit is obtained with the structure of the storage capacitor shown in the instant Figs. 1A-1B.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-4 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

While applicant may be his or her own lexicographer, a term in a claim may not be given a meaning repugnant to the usual meaning of that term. See *In re Hill*, 161 F.2d 367, 73 USPQ 482 (CCPA 1947). The unit of the capacitance (the term "capacitance") in claims 1-4 is used by the claim to mean "nF/cm" while the accepted unit of the capacitance is "nF".

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Claims 1-4 are not indicated as allowable over the prior art, especially Hara et al, because the intended scope of these claims is unclear due to the unit "nF/cm".

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hara et al disclose a LCD with a smectic LC having a spontaneous polarization being in a range of 1 to 100 nC/cm² and a storage capacitance being in a range of 0 to 2 pF.

Takatori, Saishu et al and Mochizuki et al all disclose a LCD with a smectic LC having a spontaneous polarization and a storage capacitance.

Any inquiry concerning this communication should be directed to TAI DUONG at telephone number 703 308-4873.

ROBERT H. KM SUPERIOR OF THE COMMENTER O

TVD

12/02